

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				<b>1. Contract ID Code</b> Firm-Fixed-Price		<b>Page 1 Of 8</b>	
<b>2. Amendment/Modification No.</b>  P00012		<b>3. Effective Date</b>  2007APR25		<b>4. Requisition/Purchase Req No.</b>  SEE SCHEDULE		<b>5. Project No. (If applicable)</b>	
<b>6. Issued By</b> U.S. ARMY TACOM LCMC PM LAV-C JOSEPH CASIMIRO (586)574-3917 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: JOE.CASIMIRO@US.ARMY.MIL		<b>Code</b> W56HZV	<b>7. Administered By (If other than Item 6)</b> DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000  SCD C PAS NONE ADP PT HQ0337				<b>Code</b> S2305A
<b>8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)</b>  TRI COUNTY INTERNATIONAL TRUCKS, INC. 5701 WYOMING AVE DEARBORN, MI 48126-2355  TYPE BUSINESS: Other Small Business Performing in U.S.				<input type="checkbox"/>		<b>9A. Amendment Of Solicitation No.</b>	
				<input type="checkbox"/>		<b>9B. Dated (See Item 11)</b>	
				<input checked="" type="checkbox"/>		<b>10A. Modification Of Contract/Order No.</b>  W56HZV-06-C-0490	
<b>Code</b> 0FB94 <b>Facility Code</b>				<input type="checkbox"/>		<b>10B. Dated (See Item 13)</b> 2006JUN26	
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
<b>12. Accounting And Appropriation Data (If required)</b> NO CHANGE TO OBLIGATION DATA							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS</b> KIND MOD CODE: G It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/> <b>A. This Change Order is Issued Pursuant To:</b> The Contract/Order No. In Item 10A.		The Changes Set Forth In Item 14 Are Made In					
<input type="checkbox"/> <b>B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.)</b> Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> <b>C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:</b> Mutual Agreement of Both Parties							
<input type="checkbox"/> <b>D. Other (Specify type of modification and authority)</b>							
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
<b>14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)</b>  SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2007DEC30							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
<b>15A. Name And Title Of Signer (Type or print)</b>				<b>16A. Name And Title Of Contracting Officer (Type or print)</b> MARCIA A. CZAR CZARM@TACOM.ARMY.MIL (586)574-8361			
<b>15B. Contractor/Offeror</b>  _____ (Signature of person authorized to sign)		<b>15C. Date Signed</b>		<b>16B. United States Of America</b>  By _____ /SIGNED/ (Signature of Contracting Officer)		<b>16C. Date Signed</b>  2007APR25	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

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SECTION A - SUPPLEMENTAL INFORMATION  
Modification P00012

1. The purpose of this modification is to make changes to the following paragraphs in the Scope of Work in Section C, Inspection Acceptance in Section E, and Delivery Requirements in Section F.

C.1.2.1  
C.1.2.2(g)  
C.1.2.2(h)  
C.6  
E.1(a)  
E.1(c)  
E.2(a)  
E.2(c)  
E.2(d)  
F.1

2. The part number for the Thermal Shroud is changed from E078-A000-EX to E078-A000-FX.
3. TDP to call out either stainless steel type 304 or type 409.
4. All other tems, conditions and specifications of this contract remain unchanged and in full force and effect.

\*\*\* END OF NARRATIVE A 0012 \*\*\*

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Exhaust System Additional Scope of Contract

C.1.1 The Contractor shall update and deliver to PMLAV the muffler assembly Technical Data Package (TDP) that includes the top level drawings, muffler assembly drawings with interfaces fully defined, and math models to reflect the production version of the USMC LAV Diesel Oxidation Catalyst (DOC) Muffler assembly.

C.1.2 Thermal Shroud

C.1.2.1 Thermal Shroud Technical Data Package. The Contractor shall deliver to PMLAV the complete thermal shroud assembly Technical Data Package (TDP) that includes the top level drawings, muffler assembly drawings, material specification and math models to reflect the production version of the thermal shroud assembly. The Government shall have full unlimited rights to the thermal shroud assembly drawings and designs of E078-A000-FX. Copies of these drawings should be provided in the following formats: the native CAD format, IGES (.IGS) format, STEP (.step) format and PDF files. The TDP shall reflect the developed thermal shroud assembly, including as a minimum, the mounting points present on the muffler as well as its interface with the exhaust diffuser, the venturi tube and the personnel heater exhaust outlet. It is the Governments desire to have the finalized TDP prior to inspection and acceptance of the first production article.

C.1.2.2 Thermal Shroud Performance Requirements. The thermal shroud shall meet the following requirements:

- a. The thermal shroud assembly shall reduce the thermal signature, reference paragraph C.1.2.2 (h), of the muffler assembly including the diffuser, the venturi tube and the personnel heater exhaust.
- b. The Contractor shall provide a thermal shroud assembly that is capable of being sealed so that material 8 mm in diameter will not fall behind the thermal shroud with and without the Ballistic Protection Upgrade Package (BPUP).
- c. The thermal shroud when installed on the vehicle shall not extend past the chine of the BPUP.\~\~\~\~
- d. The thermal shroud assembly shall be made of materials that comply with the environmental corrosion specification DOD MIL-STD-810 Section 509.4. A Partial sample section of the thermal shroud assembly shall be used for the environmental corrosion testing.  
The first 100 units delivered will be accepted contingent upon passing the test later. A report of compliance shall be provided no later than 15 days after test completion. A report of compliance will be available for the acceptance of the remaining 900 units. \~
- e. The thermal shroud assembly shall be capable of being installed and removed by the vehicle crew utilizing the standard issue tool kit detailed in the provided GFI SL-3.
- f. The thermal shroud assembly shall be sturdy enough to support the static weight of a combat dressed warfighter with a calculated weight of 300 pounds per square foot (136 kilograms).
- g. The thermal shroud assembly shall not interfere with the traversing of the turret and elevation/depression/firing of the M242 main weapon on the LAV-25. The first 100 thermal shroud assemblies delivered will be accepted with known interfrene in the top front corner of the thermal shroud. This area of interest shall be corrected inthe final 900 thermal shroud assemblies as demonstrated inthe thermal shroud assembly tested 25 Jan 07. The TDP shall be representative of the required change and the final 900 thermal shrouds shall match theTDP. The initial 100 thermal shrouds shall be serialized and marked "DO NOT USE ON LAV 25".
- h. The thermal shroud assembly (Contractor PN GDTMA06002, current ESW design assembly drawing E078-A000-FX) shall be capable of reducing the temperature difference (delta T) between the thermal shroud assembly and the hull, with and without BPUP, in a manner that is as good as or better than the thermal reduction performance of the prototype thermal shroud assembly, PN GDTMA06002, reference assembly drawing E078-000-A, as tested at TACOM on 29 Sep 06. (Reference the A2 thermal signature analysis 29 Sep 06)
- i. The thermal shroud assembly shall consist of a thermal shroud coated with a Lizard Skin finish and lined with thermal insulation and shall include a thermal jacket for the muffler, as detailed in the thermal shroud assembly drawing E078-000-A. The Lizard Skin coating shall conform to ASTM D 3359-02, Standard Test Methods for Measuring Adhesion by Tape Test, classification 5B.
- j. The thermal shroud assembly shall be interchangeable with the LAV-25, -R, -L, -CC, -AT, -MEWSS and -M variants utilizing the common A2 muffler assembly GDTMA06001.

C.2. An existing LAV thermal shroud will be provided as Government Furnished Material (GFM) and the material specification for the current SLEP thermal insulation material will be provided as GFI.\~ The Contractor shall demonstrate that the final design of the thermal shroud assembly provides, as a minimum, the same level of thermal reduction as the existing LAV thermal shroud without ADCAM, as noted in C.1.2.2 (h).\~ The thermal shroud assembly shall have footmen loops, per the reference GFI drawing from the current thermal shroud, for the mounting of ADCAM or similar cover, if used or for limited pack stowage.

C.3. The contractor shall incorporate the following changes into the design and production hardware of the thermal shroud assembly.

- a.The thermal shroud assembly shall have enough adjustment to seal the hull with and with out BPUP installed.

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b.The cool air intake shall be modified to maintain the flow of air into the thermal shroud assembly once modifications for sealing with and without BPUP are made.

c. The thermal shroud assembly shall cover the muffler mounting provisions across the entire bottom side of the shroud.

d.Instructions detailing the modification of the GFM diffuser shall be provided so that the installer of the thermal shroud assembly can exhaust the personnel heater into the diffuser. The instructions shall also detail the modification of the diffuser required to create the needed clearance between the shock tower cap and the diffuser.

e.The thermal shroud assembly shall cover or provide a screen that attaches to the shroud and protects the bilge holes from debris.

f.The thermal shroud assembly shall have a provision to cover the portion of the cold air venturi at the outlet of the LAV hull to protect from debris.

g.The thermal shroud assembly shall have provisions that will direct the personnel heaters exhaust into the diffuser. This shall include a weldment for LAV hull, a flexible tube to route the personnel heater exhaust to the diffuser, a flange to connect the tube to the diffuser, and hardware to secure the tube to the diffuser flange.

h.An identification tag shall be affixed to the thermal shroud (Part number: GDTMA06002SP01 and GDTMA06002SP02 (Skirt)). An identification tag shall be affixed to the thermal muffler jacket (Part number: GDTMA06002SP03).

C.4. The contractor shall provide 2 sets of templates to aid in locating the muffler extension to the engine exhaust port/billows on the LAV hull. The contractor shall supply copies of the production drawings of the templates as part of the TDP.

C.5. The contractor shall provide 70 kits (GDTMA06003), for the LAV M, that detail the modifications needed to make the current right hand side grenade launcher weldment into a bolt on bracket. The kit shall include mounting weldments, mounting instructions and instructions detailing the alterations needed to make the current weldment into a bolt on bracket. The location and application shall be in the current right hand side grenade launcher location. This bracket is only required for the LAV M design.

C.6 The contractor shall mark the thermal shroud assembly (main body) as required per MIL STD 130M. Minimum requirements are found in paragraphs 5.2.11, 5.2.1.2 and 5.2.1.3.

\*\*\* END OF NARRATIVE C 0002 \*\*\*

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SECTION E - INSPECTION AND ACCEPTANCE  
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Sect. E. Inspection and Acceptance

E.1 First Article Testing shall be performed on the first thermal shroud assembly manufactured during the first production run.

- a. The thermal shroud (GDTMA06002SP01) shall be inspected dimensionally to the detailed drawing E078-A000-FX.
- b. The thermal shroud assembly shall be installed on an LAV to confirm the form, fit and function of the assembly. Thermal signature reduction shall be tested and compared to the thermal signature reduction analysis dated 29 Sep 06. The thermal signature reduction of the production thermal shroud assembly shall be as good as or better than the prototype analyzed in the study. This analysis is a comparison of the Root-Sum-Square of the Temperature Difference (RSS\'c4T) metric between the prototype thermal shroud assembly and the current SLEP configuration without ADCAM.
- c. Material certifications shall be supplied for all materials that are called out in the detailed drawing E078-A000-FX.

E.2 Quality Conformance Inspection (QCI) shall be performed on the first, middle and last thermal shroud assemblies produced in the first 100 unit production run. If the initial production run is broken into multiple lots of less than 100 units, the number of assemblies inspected shall not be less than one per lot. Production of the remaining 900 thermal shroud assemblies shall rely upon acceptance of the first 100 units produced. QCI requirements for the remaining 900 units shall be executed in 100 unit lots or greater, inspecting first, middle and last assemblies of the lots. The Government reserves the right to perform Production Verification Tests at any time. The QCI requirements are as follows:

- a. The thermal shroud (GDTMA06002SP01) shall be inspected dimensionally to the detailed drawing E078-A000-FX.
- b. A minimum of three (3) muffler thermal jackets shall be inspected for fit and form on a production muffler assembly (GDTMA06001).
- c. The muffler thermal jacket shall be inspected to the detailed drawing E078-A000-FX.
- d. Material certifications shall be supplied for all materials that are called out in the detailed drawing E078-A000-FX.

\*\*\* END OF NARRATIVE E 0002 \*\*\*

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SECTION F - DELIVERIES OR PERFORMANCE

Sect. F.\~ The delivery requirements for the thermal shrouds are listed below:

F.1 Contractor shall have the final design representing part number GDTMA06002 ESW assembly E078-A000-FX available for final inspection the week of January 28, 2007.

Project Code: 7R3 shall be on a label located next to the shipping information on each box.

Once the final thermal shroud assembly design is accepted by the Government and the contract is awarded, the final product shall be delivered within 2 weeks.

100 units GDTMA06002 2 weeks after acceptance signoff.

Shipping for the 100 units is as follows:

(50) Shrouds to (MCA) Albany, GA

(M94631) TRAFFIC MANAGEMENT OFFICER  
MCLB BLDG 1221 DR 20  
MF PROGRAM MANAGEMENT DEPT CODE 889  
ALBANY GA 31704-5000

MARK FOR:  
Building 2200, Storeroom 8, Door N7  
Attention: Todd Rizer / B. Sutton  
Phone: (229) 639-6301

(49) Shrouds to (MCB) Barstow, CA

(M93636) TRAFFIC MANAGEMENT OFFICER  
MAINTENANCE CENTER  
WAREHOUSE 405 MAR COR LOG BASE  
BARSTOW CA 92311-5000

MARK FOR:  
MC Log Base Yermo Annex  
Warehouse 403 West End  
Barstow, CA 92311  
Attention: Edgar Thomas, John Herczeg, or Scott  
Stevens (760) 577-7535

(1) Shroud to TACOM (FOB, I&A = Destination)

(W56HZB) US Army TACOM LCMC  
6501 East 11 Mile Rd  
Shipping and Receiving BLDG 249  
Attn: Toby Sale  
Warren, MI 48397-5000

The government will accept earlier delivery of shrouds when possible

100 units GDTMA06002 Week of 9- Apr-2007.  
Shipping for the 100 units is as follows:

(49) Shrouds to (MCA) Albany, GA

(M94631) TRAFFIC MANAGEMENT OFFICER  
MCLB BLDG 1221 DR 20  
MF PROGRAM MANAGEMENT DEPT CODE 889  
ALBANY GA 31704-5000

MARK FOR:  
Building 2200, Storeroom 8, Door N7

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Attention: Todd Rizer / B. Sutton  
Phone: (229) 639-6301

(50) Shrouds to (MCB) Barstow, CA

(M93636) TRAFFIC MANAGEMENT OFFICER  
MAINTENANCE CENTER  
WAREHOUSE 405 MAR COR LOG BASE  
BARSTOW CA 92311-5000

MARK FOR:  
MC Log Base Yermo Annex  
Warehouse 403 West End  
Barstow, CA 92311  
Attention: Edgar Thomas, John Herczeg, or Scott  
Stevens (760) 577-7535

(1) Shroud to TACOM (FOB, I&A = Destination)

(W56HZV) US Army TACOM LCMC  
6501 East 11 Mile Rd  
Shipping and Receiving BLDG 249  
Attn: Toby Sale  
Warren, MI 48397-5000

The government will accept earlier delivery of shrouds when possible

798 units GDTMA06002 From the week of 7-May-2007 on the assemblies shall be inspected in 100 unit lots or greater and shall be shipped every month there after to fulfill the contract for the quantity specified. Fulfillment of contract shall be no later than Sept 29th 2007.

Shipping instructions

(M99933) TRAFFIC MANAGEMENT OFFICER  
MCLB BLDG 1221 DR 20  
MF Set Assy Whse 1241 Dr. 13  
ALBANY GA 31704-5000

MARK FOR:  
Project Code: 7R3  
MCLB-FSD, Whse 1241, Dr. 12  
Attention: John Lilly  
Phone: (229) 639-7091  
Mike Simek (ph. 586-574-6347)

2 units

Lockheed Martin Systems Integration - Owego  
1801 State Route, 17C  
Owego, NY 13827  
Attn: John Mayo (607)751-2065

The government will accept earlier delivery of shrouds when possible.

F.2 Shipping instructions for the LAV M grenade launcher weldment alteration kits

Project Code: 7M4 shall be on a label located next to the shipping information on each box.

70 units GDTMA06003 Shipping shall commence 3 weeks after final approval of the grenade launcher weldment alteration kit. The kits shall be delivered as follows:

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(8) First eight kits to Barstow - depot

(M93636) TRAFFIC MANAGEMENT OFFICER  
MAINTENANCE CENTER  
WAREHOUSE 405 MAR COR LOG BASE  
BARSTOW CA 92311-5000

MARK FOR:  
MC Log Base Yermo Annex  
Warehouse 403 West End  
Barstow, CA 92311  
Attention: Edgar Thomas, John Herczeg, or Scott  
Stevens (760) 577-7535

(51) kits to Albany - warehouse

(M99933) TRAFFIC MANAGEMENT OFFICER  
MCLB BLDG 1221 DR 20  
MF Set Assy Whse 1241 Dr. 13  
ALBANY GA 31704-5000

MARK FOR:  
Project Code: 7M4  
MCLB-FSD, Whse 1241, Dr. 12  
Attention: John Lilly  
Phone: (229) 639-7091  
Mike Simek (ph. 586-574-6347)

(11) LAV M grenade launcher weldment kits (MCA) Albany, GA

(M94631) TRAFFIC MANAGEMENT OFFICER  
MCLB BLDG 1221 DR 20  
MF PROGRAM MANAGEMENT DEPT CODE 889  
ALBANY, GA 31704-5000

MARK FOR:  
Building 2200, Storeroom 8, Door N7  
Attention: Todd Rizer/B. Sutton  
Phone:(229) 639-6301

Inspection and acceptance, and FOB will be origin.

\*\*\* END OF NARRATIVE F 0002 \*\*\*